

INTERNATIONAL SEARCH REPORT

 International Application No
 PCT/GB2004/004586

A. CLASSIFICATION OF SUBJECT MATTER		
IPC 7	H01Q1/24	H04Q7/36 H01Q3/36 H01Q3/40 H01Q21/06
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols)		
IPC 7 H01Q H04Q		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)		
EPO-Internal		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 268 828 B1 (MARTEK GARY A) 31 July 2001 (2001-07-31) abstract column 5, line 14 - column 17, line 51 figures 4-6,9	1-18
A	EP 0 568 886 A (ALCATEL ITALIA) 10 November 1993 (1993-11-10) claim 1	1-18
A	US 4 316 192 A (ACORACI JOSEPH H) 16 February 1982 (1982-02-16) the whole document	1-18
A	US 4 584 581 A (TESHIROGI TASUKU) 22 April 1986 (1986-04-22) column 7, line 19 - column 8, line 34 figures 5-7	1-18
-/--		
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents : *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family		
Date of the actual completion of the international search		Date of mailing of the international search report
13 December 2004		23/12/2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel (+31-70) 340-2040, Tx. 31 651 epo nl, Fax (+31-70) 340-3016		Authorized officer van Norel, J

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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A	WO 03/036756 A (QINETIQ LTD ; THOMAS LOUIS DAVID (GB)) 1 May 2003 (2003-05-01) cited in the application abstract page 22, paragraph 2ND - page 23, paragraph 3RD figures 6,7	1-18
P,X	WO 2004/088790 A (HASKELL PHILIP EDWARD ; QUINTEL TECHNOLOGY LTD (GB)) 14 October 2004 (2004-10-14) cited in the application the whole document	1-3,5,6, 9-12,14, 15,18

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Information on patent family members

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